

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. - 22. (Canceled)

23. (Currently Amended) A mobile communications system comprising:

a terminal resource controller operable to control a call signaling processing independent of a radio transmission scheme, the terminal resource controller comprising a terminal position detector operable to detect a position of at least one mobile terminal, a common radio resource manager operable to manage a common radio resource, a broadcast device operable to control a flow of radio broadcast, and a mobile controller operable to control the at least one mobile terminal; and

a plurality of base station resource controllers operable to control a user data transfer dependent on the radio transmission scheme, each base station resource controller including a radio layer controller located entirely within the each base station resource controller;

wherein said terminal resource controller manages said plurality of base station resource controllers.

24. (Previously Presented) The mobile communications system according to claim 23, further comprising switching equipment, wherein said terminal resource controller is connected to said plurality of base station resource controllers through said switching equipment.

25. (Previously Presented) The mobile communications system according to claim 24, wherein said switching equipment is a router or a hub.

26. (Previously Presented) The mobile communications system according to claim 23, wherein said terminal resource controller is physically separated from said plurality of base station resource controllers.

27. (Canceled)

28. (Currently Amended) The mobile communications system according to claim 23, wherein each of said plurality of base station resource controllers comprises:

- a cell controller;
- ~~a radio layer controller;~~
- a cell communication gateway; and
- a user radio gateway.

29. (Previously Presented) The mobile communications system according to claim 23, wherein each of a plurality of base station resource controllers is incorporated into a base station.

30. (Previously Presented) The mobile communications system according to claim 23, further comprising a mobile terminal.

31. (Currently Amended) A method of controlling a mobile communications system, comprising the processes of:

- using a terminal resource controller in the mobile communications system to control signaling processing independent of a radio transmission scheme, the step of using the terminal resource controller including

- detecting a position of at least one mobile terminal using a terminal position detector of the terminal resource controller,

- managing a common radio resource using a common radio resource manager of the terminal resource controller,

- controlling a flow of a radio broadcast using a broadcast device of the terminal resource controller, and

- controlling the at least one mobile terminal using a mobile controller of the

terminal resource controller; and

using a plurality of base station resource controllers in the mobile communications system to control user data transfer dependent on the radio transmission scheme, the step of using the base station resource controllers including, for each base station resource controller, positioning a radio layer controller entirely within the each base station resource controller,

wherein said terminal resource controller manages said plurality of base station resource controllers.

32. (Currently Amended) A mobile communications system comprising:

a plurality of terminal resource controllers operable to control a call signaling processing independent of a radio transmission scheme, each terminal resource controller comprising a terminal position detector operable to detect a position of at least one mobile terminal, a common radio resource manager operable to manage a common radio resource, a broadcast device operable to control a flow of radio broadcast, and a mobile controller operable to control the at least one mobile terminal; and

a base station resource controller operable to control a user data transfer dependent on the radio transmission scheme, the base station resource controller including a radio layer controller located entirely within the base station resource controller,

wherein said plurality of terminal resource controllers manage said base station resource controller.

33. (Previously Presented) The mobile communications system according to claim 32, further comprising a switching element, wherein said plurality of terminal resource controllers are connected to said base station resource controller through said switching equipment.

34. (Previously Presented) The mobile communications system according to claim 33, wherein said switching equipment is a router or a hub.

35. (Previously Presented) The mobile communications system according to claim 32, wherein said plurality of terminal resource controllers are physically separated from said base station resource controller.

36. (Canceled)

37. (Currently Amended) The mobile communications system according to claim 32, wherein said base station resource controller comprises:

- a cell controller;
- ~~a radio layer controller;~~
- a cell communication gateway; and
- a user radio gateway.

38. (Previously Presented) The mobile communications system according to claim 32, wherein said base station resource controller is incorporated into a base station.

39. (Previously Presented) The mobile communications system according to claim 32, further comprising a mobile terminal.

40. (Currently Amended) A method of controlling a mobile communications system, comprising the processes of:

- using a plurality of terminal resource controllers in the mobile communications system to control signaling processing independent of a radio transmission scheme, using each of the plurality of terminal resource controllers including

- detecting a position of at least one mobile terminal using a terminal position detector of the terminal resource controller,

- managing a common radio resource using a common radio resource manager of the terminal resource controller,

- controlling a flow of a radio broadcast using a broadcast device of the terminal

resource controller, and

controlling the at least one mobile terminal using a mobile controller of the terminal resource controller; and

using a base station resource controller in the mobile communications system to control user data transfer dependent on the radio transmission scheme, the step of using the base station resource controller including positioning a radio layer controller entirely within the base station resource controller,

wherein said plurality of terminal resource controllers manage said base station resource controller.

41. (Currently Amended) A terminal resource controller comprising:

a terminal position detector;
a common radio resource manager;
a broadcast network device; and
a mobile controller,

wherein the terminal resource controller is operable to control a signaling processing independent of a radio transmission scheme,

wherein the terminal resource controller lacks a radio layer controller, and

wherein the terminal resource controller manages a plurality of base station resource controllers, each base station resource controller being operable to control a user data transfer dependent on the radio transmission scheme.

42. (Currently Amended) A terminal resource controller comprising:

terminal position detection means for detecting a terminal position;
common radio resource management means for managing a common radio resource;
broadcast means for broadcasting; and
mobile control means for controlling at least one mobile terminal,

wherein the terminal resource controller is operable to control a signaling processing independent of a radio transmission scheme,

wherein the terminal resource controller lacks a radio layer controller, and

wherein the terminal resource controller manages a plurality of base station resource controllers, each base station resource controller being operable to control a user data transfer dependent on the radio transmission scheme.

43. (Currently Amended) A method of using a terminal resource controller performing control, comprising steps of:

- controlling signaling processing independent of a radio transmission scheme;
- detecting a position of at least one mobile terminal using a terminal position detector of the terminal resource controller;
- managing a common radio resource using a common radio resource manager of the terminal resource controller;
- controlling a flow of a radio broadcast using a broadcast device of the terminal resource controller;
- controlling the at least one mobile terminal using a mobile controller of the terminal resource controller; and
- using said terminal resource controller to manage a plurality of base station resource controllers, each base station resource controller controlling user data transfer dependent on a radio transmission scheme and each base station resource controller including a radio layer located entirely within the each base station resource controller.

44. - 46. (Canceled)